BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Formation of 6th main road KGES Layout from 8th cross to end in ward no-18

Estimate Cost Rs.9,00,000.00.

No	Description of work		Dimensions			Quantity	Rate	Unit	Amount
			L	B	D				
1	Dismantling Mangalore tiles roof and stacking the material within a radius of 50mtrs.-do- A.C. sheet roofing (P-267 I No. 37.42.3)								
		1	5.00	3.00		15.00			
		1	5.00	5.00		25.00			
	Basic Rate	44.35			Total	40.00	47.01	Sqm	1880.00
	Total	44.35							
	Area Weightage @ 6%	2.66							
	Total	**47.01**							
2	Dismantling burnt brick masonry in clay mortar / lime mortar / cement mortar and stacking the bricks within a radius of 50m and removing the debris to a distance upto 200m. (P-268 I No. 37.47)Conveying the excavated earth' with a lead of								
		2	5.00	0.23	3.00	6.90			
		2	3.00	0.23	3.00	4.14			
		2	5.00	0.23	3.00	6.90			
		2	5.00	0.23	3.00	6.90			
		1	27.00	0.20	1.00	5.40			
	Basic Rate	110.00			Total	30.24	204.40	Cum	6181.00
		87.80							
	Total	197.80							
	Area Weightage @ 8%	6.60							
	Total	**204.40**							
3	Dismantling size stone masonry in clay mortar and stacking the size stone within a radius of 50m and removing the debris to a distance upto 200m.(P 268 I.No.37.48)								
		2	5.00	0.45	0.45	2.03			
		2	3.00	0.45	0.45	1.22			
		2	5.00	0.45	0.45	2.03			
		2	5.00	0.45	0.45	2.03			
		1	27.00	0.45	0.45	5.47			
	Basic Rate	121.00			Total	12.76	128.26	Sqm	1636.00
	Area Weightage @ 6%	7.26							
	Total	**128.26**							
4	Earthwork in excavation of foundation of structures as per drawing and technical specification including setting out, construction of shorting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, back filling the excavation earth to the extent required and utilizing the remaining earth locally for road work complete as per specifications. (i) Ordinary soil – A. Manual Means (i) Depth upto 3m. MORTH Specification No.304.(P-151 I No. 19.22)								
		1	56.00	(0.75+0.60)/2	0.65	24.57			
	Basic Rate	184.45			Total	24.57	294.03	Cum	7224.00
	Loading & unloading	87.80							
	Total	272.25							
	Area Weightage @ 8%	21.78							
	Total	**294.03**							
5	Providing granite slabs of 750mm roughly dressed and fixed in CM 1:6 including fixing curing etc., complete. (P 24 I.No.5.31.1)								

		1	56.00	1.35		75.60			
					Total	**75.60**	**327.24**	**Sqm**	**24739.00**
	Basic Rate	303.00							
	Area Weightage @ 8%	24.24							
	Total	**327.24**							
6	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clodsincluding loading & unloading, cost of labour Conveying the excavated earth to distance of upto 10kms including loading and unloading charges (P-126 I No. 19.10)								
		1	29	12.20	0.10	35.38			
	8th cross	2	75	0.50	0.30	22.50			
		2	75	0.10	0.40	6.00			
		2	75	0.60	0.30	27.00			
		2	75	0.45	0.40	27.00			
					Total	**117.88**	**157.68**	**Cum**	**18587.00**
	Basic Rate	58.20							
		87.80							
	Total	146.00							
	Area Weightage @ 8%	11.68							
	Total	**157.68**							
7	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, Concrete laid in layers not exceeding 15cms. thick well compacted in foundation and plinth, including cost of all materials,labour , HOM of machinary, curing complete as per specification (P 12 I.No.4.3)								
		2	75.00	0.50	0.15	11.25			
		2	75.00	0.50	0.15	11.25			
					Total	**22.50**	**3916.08**	**Cum**	**88112.00**
	Basic Rate	3518.00							
	ff of cement=3.60x30=108.00	108.00							
	Total	**3626.00**							
	Area Weightage @ 8%	290.08							
	Total	**3916.08**							
8	Providing and constructing granite/ trap/basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high , bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. (P-26 I.No.5.9)								
		2	75.00	0.45	0.60	40.50			
		2	75.00	0.45	0.60	40.50			
					Total	**81.00**	**3291.84**	**Cum**	**266639.00**
	Basic Rate	3006.00							
	iff of cement=1.40x30=42.00	42.00							
	Total	**3048.00**							
	Area Weightage @ 8%	243.84							
	Total	**3291.84**							
9	Providing and laying in position plain cement concrete of mix M15 with OPC cement @240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum machine mixed, Concrete laid in layers not exceeding 15cms. thick well compacted in foundation and plinth & Cills, including cost of all materials,labour , HOM of machinary, curing complete as per specification .(P-12 I.No.4.6)								
		2	75.00	0.45	0.10	6.75			
		2	75.00	0.45	0.10	6.75			
		2	75.00	0.35	0.10	5.25			

	Basic Rate	3959.00				Total	18.75	4431.24	Cum	83086.00
	Diff of cement-4.80x30.00	144.00								
	Total	4103.00								
	Area Weightage @ 8%	328.24								
	Grand Total	**4431.24**								
10	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P-119 I.No.15.3)									
		2	75.00	0.60		90.00				
		2	75.00	0.60		90.00				
						Total	**180.00**	**75.71**	**Sqm**	**13627.00**
	Basic Rate	69.50								
	Diff of cement=0.02x30=0.60	0.60								
	Total	**70.10**								
	Area Weightage @ 8%	5.61								
	Grand Total	**75.71**								
11	Providing & Laying in position reinforced cement concrete of mix 1:1.5:3 with 20mm (M-20) and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutment, pillars, posts, struts, buttresses, string or lacing course, parapets, copying, bed blocks, anchor blocks, plain windown cills, fillets etc., complete as per specifications labour HOM of machinery, curing, including cost of providing and fabricating HYSD steel 12mm tor at 15cms c/c (main) and 10mm tor at 20cms c/c (Distribution) & Providing and removing centring and shuttering et., complete as per specifications for 10cms thick drain covering slab etc., complete as per specifications and direction of the Engineer-in-Charge.									
		2	75.00	1.20		180.00				
						Total	**180.00**	**1449.00**	**Sqm**	**260820.00**
12	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. 450 x 150 x 500mm.(P-24 I.No.5.29.2)									
		2	75.00			150.00				
	Missing Kerb	2	50.00	0.45		45.00				
						195.00				
	200.00/0.45					**Total**	**433.33**	**280.80**	**Nos**	**121680.00**
	Basic Rate	260.00								
	Total	260.00								
	Area Weightage @ 8%	20.80								
	Grand Total	**280.80**								
13	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications..(P-166 I.No.24.1)									
		2	75.00	0.45		67.50				
	Missing Kerb	2	50.00	0.45		45.00				
						Total	**112.50**	**48.49**	**Sqm**	**5455.00**
	Basic Rate	42.50								
	Total	42.50								
	Area Weightage @ 8%	3.40								
	Grand Total	**45.90**								

Miscellaneous and unforeseen charges etc L.S							334.60
							2646.0
						TOTAL AMOUNT	900000.0

Certificate:

1. The work spot has been inspected and found necessary
2. The work spot comes under BBMP Limits
3. The provisions made in the estimate are necessary and reasonable
4. The estimate is based on CSR of 2010-11

Executive Engineer,
Hebbal Division,
Bruhat Bangalore Mahanagara Palike

Assistant Engineer
Ward No. 18

Assistant Executive Engineer
Hebbal Sub Division
BBMP

Executive Engineer
Hebbal division
BBMP

ADMINISTRATIVELY SANCTIONED FOR
Rs. ... Nine lakhs Only
Under P1771, POW-2011-12
Registered as EE(H) vide No. 13
Subject to Conditions in Enclosed
Memo No. ES | 17 | 12-13 Dt. 30-04-2012

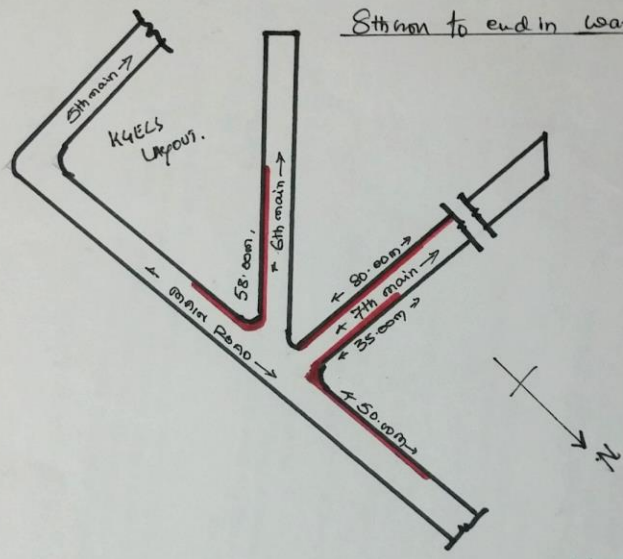
JE / AE

Exe. Engineer (H)

TECHNICALLY SANCTIONED FOR
Rs. Nine lakhs Only
P1771, POW-2011-12
Under .....
Registered as EE(H) vide No. 15
Subject to conditions in enclosed memo
No Ts | 15 | 12-13 Dt: 02-05-2012

E.E(H.)

FORMATION OF 6th MAIN ROAD in KGES Layout from 8th main to end in Ward-18.



DE W-18

Asst Executive Engineer
Hebbal Sub-Division
Queens Road,
Bangalore Mahanagara Palike
Bangalore - 52.

Executive Engineer,
Hebbal Division,
Bruhat Bangalore Mahanagara Palike

Executive Engineer,
Hebbal Division,
Bruhat Bangalore Mahanagara